SRR-NO/15/20-21
05/06/2020.

M. A. R. 57 (Rule 116)
Measurement Book

No. B 198825

erial No. .....
lame of Work ..... From..... To.....
lame of Contractor of nature of Agency Executive engineer KRIDL
ate of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	NAME OF WORK :- Improvements to Roads Drains and other development works in kempegowdanagar colony and Surrounding area in ward no 9 vidyaranyapura JOB CODE :- 009-20-000035 WORK ORDER NO :- BBMP/EE/BTP/NO/197/2019-20 dated 01-02-2020 Head of account: P1878 18per-works (bhagyajothi Suvarna/neeru yojane and general)						

MEASUREMENT BOOK

M. A. R. 57 (Rule 116)
Measurement Book

No. B 498828

rial No. .....
me of Work ..... From..... To.....
me of Contractor of nature of Agency .....
te of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
Item 1	Dismantling of existing Reinforced Cement Concrete grade M20 above structure like culverts bridges, retaining wall and other structure compressing of masonry cement concrete, wood work steel work including T&P and scaffolding wherever necessary soring the dismantal material.						
	Quantity recorded vide E MB					29.25 Cum	
	Rate at Rs 1684.39/cum						49274.51
Item 2	Removing and refixing stone slab of drains and pointing in cm (1:3)						
	Quantity recorded vide E MB					347.99	
	Rate at Rs 111.30/sqm						38675.64

AE W-09
02/06/2020

ate	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
m3	Earthwork excavation by manual means in ordinary soil involving an avarage horizontal throw up to 2m and avarage lift upto 0.5m. excavated surface levelled and sides neatly dressed. The disposed earth to be levelled neatly after breaking of clods complete as per specification.						
	Quantity recorded vide E MB					919.25	
	Rate at Rs 207.60/cum						190841.93

AE W-09
02/06/2020

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
Item 4	Dismantling of cement concrete pavement by mechanical means using pneumatic tools breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated location.						
	Quantity recorded vide E MB					59.10	
	Rate at Rs 952.94/cum						56318.75
Item 5	Excavation for road work in soil with hydraulic excavator of 0.90 cum bucket capacity including cutting and Loading in tippers trimming bottom and side slopes						
	Quantity recorded vide E MB					189.69 cum	
	Rate at Rs 475.99/cum.						

02/06/2018

M. A. R. 57 (Rule 116)
Measurement Book

No. B

498827

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me of Work ..... From..... To.....
me of Contractor of nature of Agency .....
te of commencement of work .....

ate	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
m6	stone dust / grit						
	Quantity vide ~~Estn~~ recorded E MB					129.60 cum	
	Rate at Rs 1060.00/cum						137376.00
m7	providing, laying spreading and compacting crushed stone aggregate of granite / trap / basalt to wet mix macadam specification.						
	Quantity recorded vide E MB					166.20 cum	
	Rate at Rs 2001.28/cum						332612.74

07/06/2018

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
Item 8	providing and laying in position plain cement concrete of mix 1:3:6 with opc cement at 220 kgs with 20mm and down size graded granite metal course aggregate at 0.84 cum and fine aggregate at 0.56 cum machine mixed laid in layers not exceeding 15cm thick						
	Quantity ~~recorded~~ vide E MB					153.41 cum	
	Rate at Rs 5491.90/cum						831751.04
Item 9	providing and constructing granite/trap/basalt size stone masonry in basement with cement ~~masonry~~ mortar 1:6 edges of stone chisselled dressed in course not less than 15cm high. bond stone at 2m apart in each course						
	Quantity recorded vide E MB					48.60 cum	
	Rate at Rs 5811.98/cum						282462.28

02/01/2020

M. A. R. 57 (Rule 116)
Measurement Book

No. B

498828

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ate	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
m 10	providing ruled pointing 20mm deep to crushed stone masonry with cement mortar 1:3 20mm deep. after raking of joints to depth of 20mm nicely lining. including cost of materials						
	Quantity recorded vide E MB					9.00 sqm	
	Rate at Rs 150.52/sqm						1354.68
m 11	providing precast slab of 250mm thick including cost of all materials labour, curing. transportation. loading unloading etc. complete as per specification						
	Quantity recorded vide E MB					7.50 Sqm	
	Rate at Rs 5418.00/sqm						40635.00

02/01/2020

Assistant Executive Engineer
Vidyaranyapura Sub Division

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
Item-12	providing and laying in position plain cement concrete of mix 1:2:4 with cement at 240 kgs. with 20mm and down size graded granite metal course aggregate at 0.69 cum and fine aggregate at 0.459 cum. machine mixed						
	Quantity recorded vide E MB					61.60 cum	
	Rate at Rs 5747.32/cum						354053.00
Item-13	providing TMT steel reinforcement for RCC work including straightening. cutting. bending. hooking placing in position. lapping and/or welding wherever required						
	Quantity recorded vide E MB					926 Kg	
	Rate at Rs ~~5760~~ 75223.96/Qtl						696498.00

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

498823

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
Item-14A	providing and removing centering shuttering, strutting propping etc. and removal of form work for vertical surface such as walls at any thickness						
	Quantity recorded vide E MB					1550.74 sqm	
	Rate at Rs 379.45/sqm						587749.25
Item-15	providing and laying in position reinforced cement concrete of Design mix M20 with OPC at 320 kgs with 20mm and down size graded granite metal course aggregate						
	Quantity recorded vide E MB					142.48 cum	
	Rate at Rs 5998.54/cum						852617.18

02/06/2020

Assistant Executive Engineer
Vidyaranyapura Sub Division

MEASUREMENT

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
Item 16	construction of un-reinforced plain cement concrete of pavement using grade concrete M20 over a prepared base with opc course aggregate						
	Quantity recorded vide E MB					91.88 cum	
	Rate at Rs 5128.28/cum						471160.7
Item-17	providing and laying pre-cast drain cover slabs of 100 mm thickness in cm (1:3) including cost of all materials, labour curing transportation loading and unloading etc complete as per direction of engineer incharge of work						
	Quantity recorded vide EMB 6-79-54					Sqm	
	Rate at Rs 2337.00/sqm						1585832

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M. A. R. 57 (Rule 116)
Measurement Book
No. B

498830

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...te	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
...-18	providing 20mm thick cement plaster in single coat with cement mortar 1:3 to stone masonry and concrete surface including rounding off						
	Quantity recorded vide E MB					28.00 sqm	
	Rate at Rs 306.34/sqm						8577.52
...-19	construction of embankment with approved material (gravel/murum) with all lifts and leads transporting to site. Spreading grading to required slope						
	Quantity recorded vide E MB					72.00 cum	
	Rate at Rs 344.50/cum						24804.00

08/06/2020

Assistant Executive Engineer
Vidyaranyapura Sub Division

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
Item 20	providing and fixing of wall cladding using 20 mm thick gang saw water cut						
	Quantity recorded vide E MB					78.28 Sqm	
	Rate at Rs 2291.72/Sqm						179395.84
Item 21	providing and fixing Stainless steel 304 grade for staircase railings, balconies Ramps, with hand rail 50mm dia 16 gauge hollow pipe welded to vertical hollow 50mm dia						
	Quantity recorded vide E MB					35.90 Sqm	
	Rate at Rs 6382.26/Sqm						229132.0

03/06/2020

M. A. R. 57 (Rule 116)
Measurement Book

No. B

498831

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ate	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
022	cutting road surface for pipe line trenches and disposing of the excavated stuff as directed including barricading danger lightening etc. in the following qualification						
	Quantity recorded vide E MB					66.31 cum	
	Rate at Rs 1033.00/cum						68500.30
023	Earth work excavation for pipeline trenches (except building work) including disposing on back up to a lead 30 mtr including danger lighting						
	Quantity recorded vide E MB					323.96 cum	
	Rate at Rs 558.54/cum						180994.62

03/06/2020

Assistant Executive Engineer
Vidyaranyapura Sub Division

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
Item 24	Supplying of following dia Nos of SFS RCC Spun/Vibrated Cast pipe (Reinforced) of IS 458:1998						
	Quantity recorded vide E MB					219.60 Rmt	
	Rate at Rs 1659.00/Rmt						354030.60
Item 25	Constructing brick masonry circular type manhole 0.91m internal dia at bottom and 0.56m dia at top with table moulded non modular bricks of 50 class. designation 50 in cement mortar						
	Quantity recorded vide E MB					8.00 nos	
	Rate at Rs 15587.30/no						124698.40

02/06/2020

M. A. R. 57 (Rule 116)
Measurement Book

No. B

498832

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...te	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
26	Constructing brick masonry circular type manhole 0.91m internal dia.						
	Quantity recorded vide E MB					13.00 nos	
	Rate at Rs 25741.04						334633.52
27	providing 15mm thick cement plaster in single coat with cement mortar to brick masonry including rounding off corners						
	Quantity recorded vide E-MB					37.50 sqm	
	Rate at 248.04/sqm						9375.91

02/06/2020

Assistant Executive Engineer
Vidyaranyapura Sub Division

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
Item-28	providing and fixing chlorinated poly vinyl chloride (cpvc) pipes conforming to IS 15778 having thermal stability						
	Quantity recorded vide E MB					140.00 m	
	Rate at Rs 457.92/m						64108.80
Item 29	providing and fixing in position brass gate valve with C.I wheel of approved quality (screwded end) nominal bore including cost of all material						
	Quantity recorded vide E MB					6.00 Nos	
	Rate at Rs 1843.34 nos						11060.04
	02/06/2020						

M. A. R. 57 (Rule 116)
Measurement Book

No. B 498833

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me of Contractor of nature of Agency .....
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ate	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
30	C.P brass top with union.						
	Quantity recorded vide E MB					60.00 Nos	
	Rate at Rs 269.24/nos						16154.40
n 31	Refilling of available earth around pipe lines, cables in layers not exceeding 20cm in depth, compacting each disposed layer by ramming after wearing with lead upto 50m.						
	Quantity recorded vide E MB					370.24 cum	
	Rate at Rs 128.26/cum						47486.98
	02/06/2020						

Assistant Executive Engineer
Vidyaranyapura Sub Division

MEASUREMENT BOOK

M. A. R. 57 (Rule 116)
Measurement Book

No. B

498834

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
Item 32	Dismantaling the damaged or collapsed manholes of 1.20m dia conical in shape and reconstruction of the same						
	Quantity vide EMB					4.00 nos	
	Rate at Rs 12694.0/nos						50776.00
Item 33	Hire charges for 2Hp dewatering pump to bail out water at leakage pits. inclusive of hire charges						
	Quantity vide E MB					9.00	
	Rate at Rs 6500.00/-						58500.00
							856428.82

AE WOG
02/06/2020

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

25/06/2020

Assistant Executive Engineer
Byatarayanapura Sub-division
KRIDL, BBMP Bangalore

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	certificate * contractor has cleared all debries from work spot						
	* there is no due from contractor pertaining to BBMP work						
	* contractor has carried his own men & materials for work						
	* work has done satisfactorily						

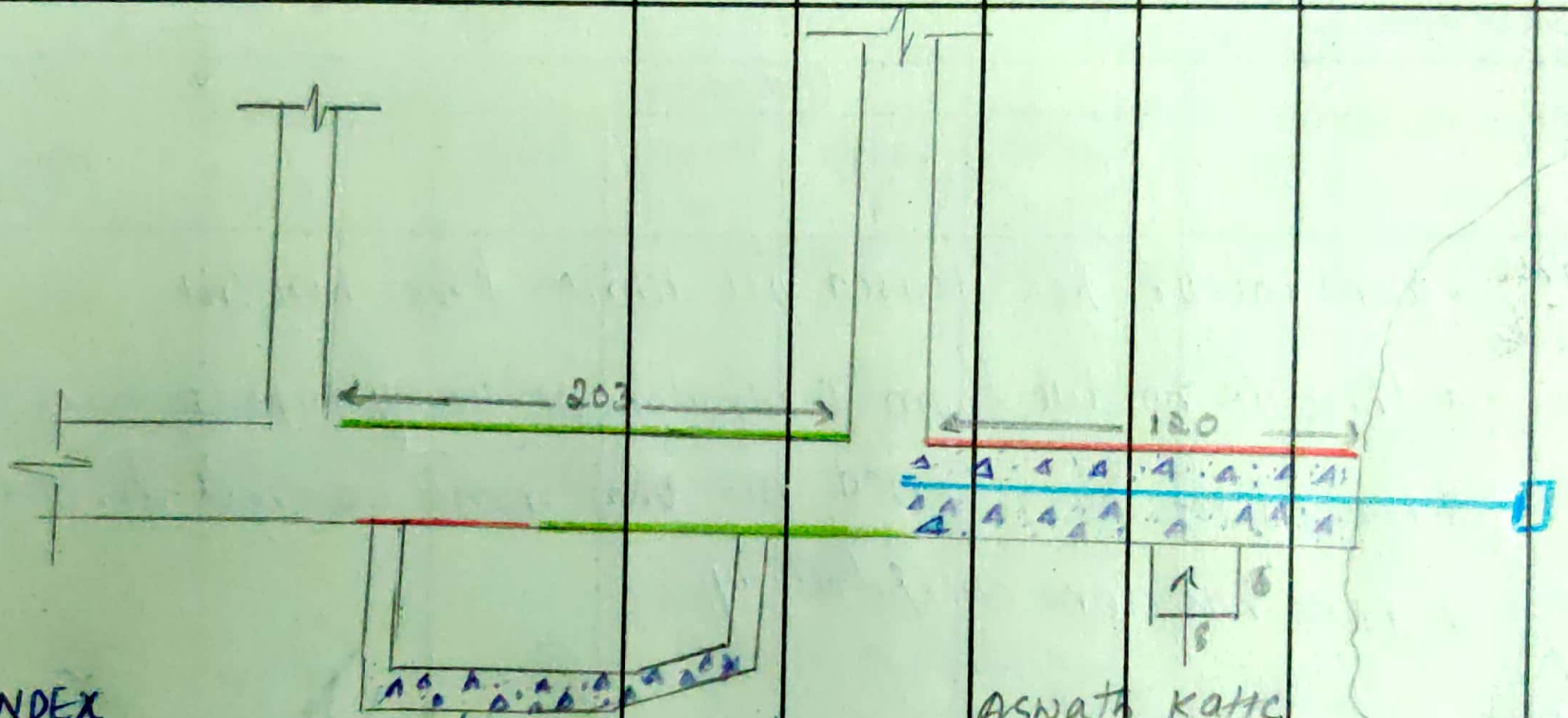
AE WOG
02/06/2020

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

KRIDL

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurem
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8



AE 10-09

Assistant Executive Engineer
Vidyaranyapura Sub Division

1st & final.

M. A. R. 57 (Rule 116)
Measurement Book

No. B

498835

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	P/878 - 18 % Work			TTB	9841700		
	ಲೆಕ್ಕಶೀರ್ಷಿಕೆ						
	ಬಿಲ್ಲು ಮೊಬಲಗು ರೂ. 9841700/= ಗಚನ್ನು ಪಾಸು ಮಾಡಿದೆ.			It 2%	196834		
	ಇದರಲ್ಲಿ ರೂ. 1059355/= ಗಚನ್ನು ಹೊಂದಾಣಿಕೆ			CGST	87873	87873	
	ಮುರಿದುಕೊಂಡು ರೂ. 8782345/= ಗಚನ್ನು			SGST	87873	87873	
				FSD	493800	493800	
	FT/NEFT/RTGS ಮುಖಾಂತರ ನೀಡಲಾಗಿದೆ			CESS	98417	ಎಸ್ಸ್	
	ವಿಷಯ ನಿರ್ವಾಹಕರು ಎಇಇ/ಬ್ಯಾಲರಾಯನಪುರ ವಿಭಾಗ ಬೃಬೆಮಪಾ ಬೆಂಗಳೂರು			CBF	9842		
	ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು ಬ್ಯಾಟರಾಯನಪುರ ವಿಭಾಗ ಬೃಬೆಮಪಾ. ಬೆಂಗಳೂರು			CR	8416		
				Ded.	1059355		
				Cheque	8782345		